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- (71) Applicant (for all designated States except US): NIKEM RESEARCH S.R.L. [IT/IT]; Via Zambeletti 25, I-20021 BARANZATE DI BOLLATE (IT).
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- (75) Inventors/Applicants (for US only): FARINA, Carlo [IT/IT]; c/o NIKEM RESEARCH S.R.L., Via Zambeletti 25, I-20021 BARANZATE DI BOLLATE (IT). GAGLIARDI, Stefania [IT/IT]; c/o NIKEM RESEARCH S.R.L., Via Zambeletti 25, I-20021 BARANZATE DI BOLLATE (IT). PARINI, Carlo [IT/IT]; c/o NIKEM RESEARCH S.R.L., Via Zambeletti 25, I-20021 BARANZATE DI BOLLATE (IT). MARTINELLI, Marisa [IT/IT]; c/o NIKEM RESEARCH S.R.L., Via Zambeletti 25, I-20021 BARANZATE DI BOLLATE (IT). GHELARDINI, Carla [IT/IT]; c/o Dipartimento di Farmacologia Preclinica e Clinica "M. Ajazzi Mancini" Università di Firenze, Viale G. Pieraccini 6, I-50139 FIRENZE (IT).
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(54) Title: PYRROLOIMIDAZOLE DERIVATIVES, THEIR PREPARATION, PHARMACEUTICAL COMPOSITION CONTAINING THEM, AND THEIR USE AS NOOTROPIC AGENTS

(57) Abstract: Described herein are new bicyclic arylimidazolones having nootropic action (i.e., protecting and stimulating cerebral functions), analgesic action and anti hyperalgesic action; also described is the process for their preparation and pharmaceutical compositions comprising them, useful for the treatment of cognitive deficits, and of various types of pain.

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(51) International Patent Classification?: C07D 487/00 (74) Agent: GERVASI, Gemma; NOTARBARTOLO &amp; GERVASI S.p.A., Corso di Porta Vittoria 9, I-20122 MILAN (IT).

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WO 2004/085438 A2

(54) Title: COMPOUNDS WITH NOOTROPIC ACTION, THEIR PREPARATION, PHARMACEUTICAL COMPOSITIONS CONTAINING THEM, AND USE THEREOF

(57) Abstract: Described herein are new bicyclic arylimidazolones having nootropic action (i.e., protecting and stimulating cerebral functions), analgesic action and anti hyperalgesic action; also described is the process for their preparation and pharmaceutical compositions comprising them, useful for the treatment of cognitive deficits, and of various types of pain.

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## INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
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According to International Patent Classification (IPC) or to both national classification and IPC

### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, EPO-Internal, WPI Data, PAJ

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 93/09120 A (SMITHKLINE BEECHAM FARMA) 13 May 1993 (1993-05-13) cited in the application page 31 -page 33; claims 1-12	8-20
Y	EP 0 335 483 A (ISF SPA) 4 October 1989 (1989-10-04) cited in the application page 3	1-26
Y	EP 0 174 136 A (WARNER LAMBERT CO) 12 March 1986 (1986-03-12) page 1 -page 5	1-26

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- \*Z\* document member of the same patent family

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